

FIG. 1

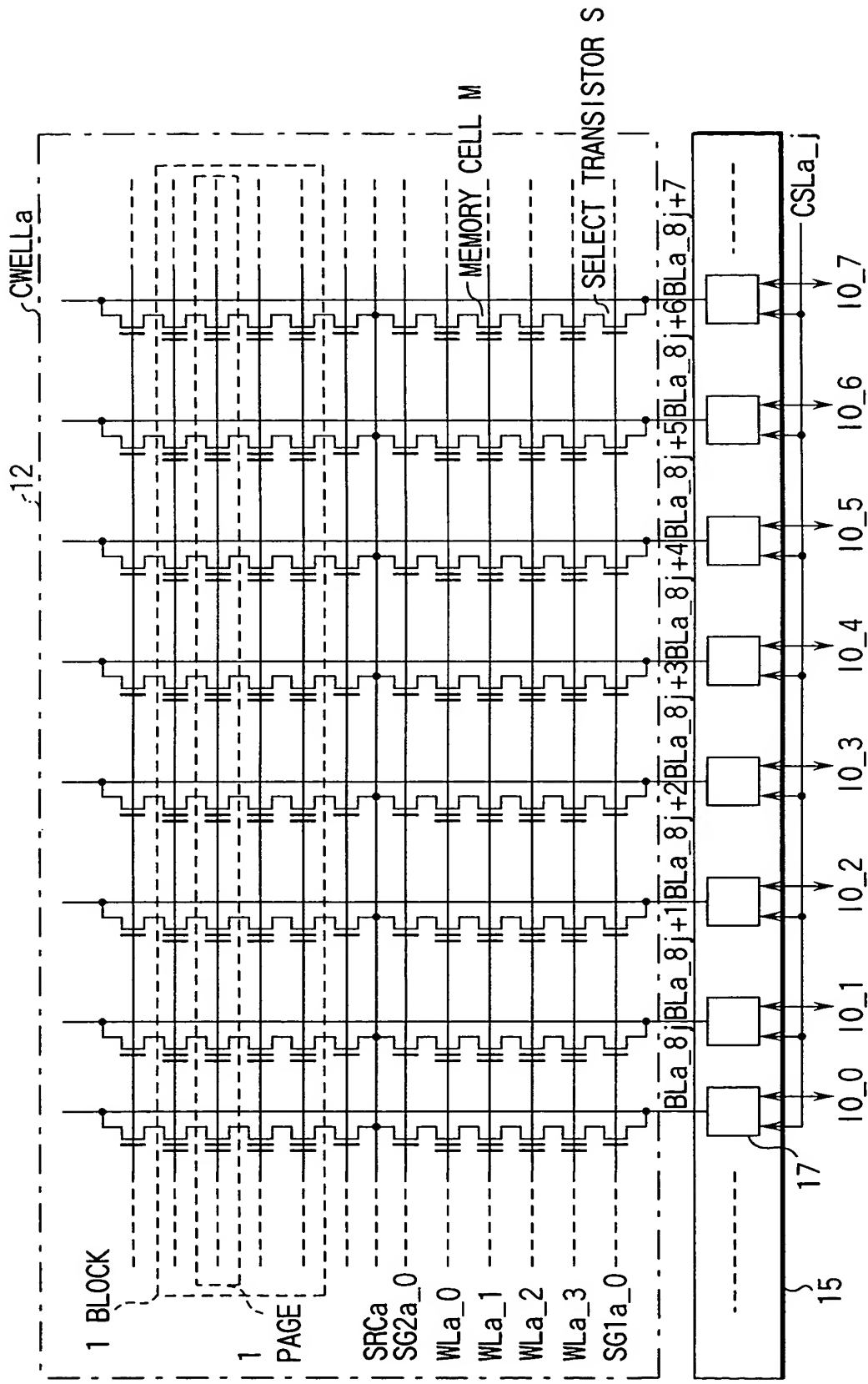


FIG.2

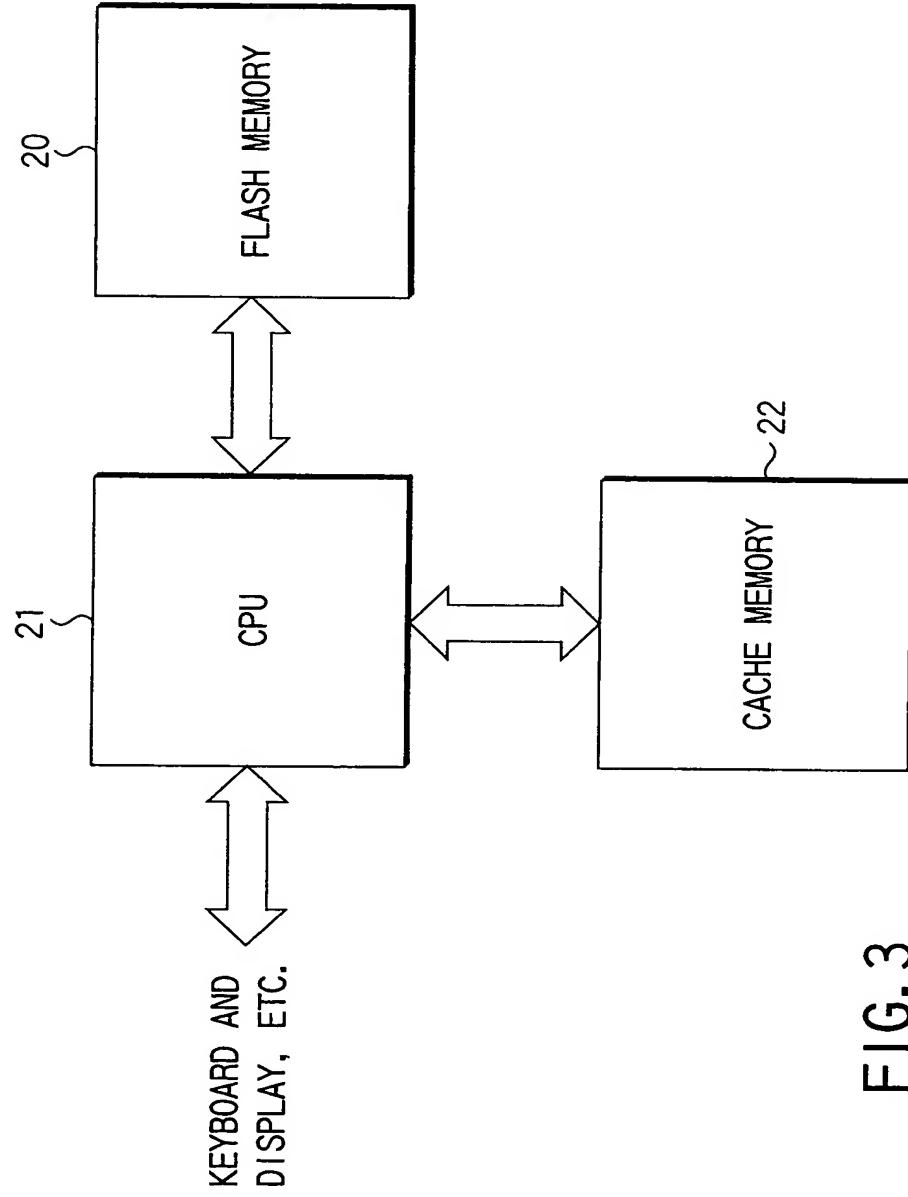


FIG. 3

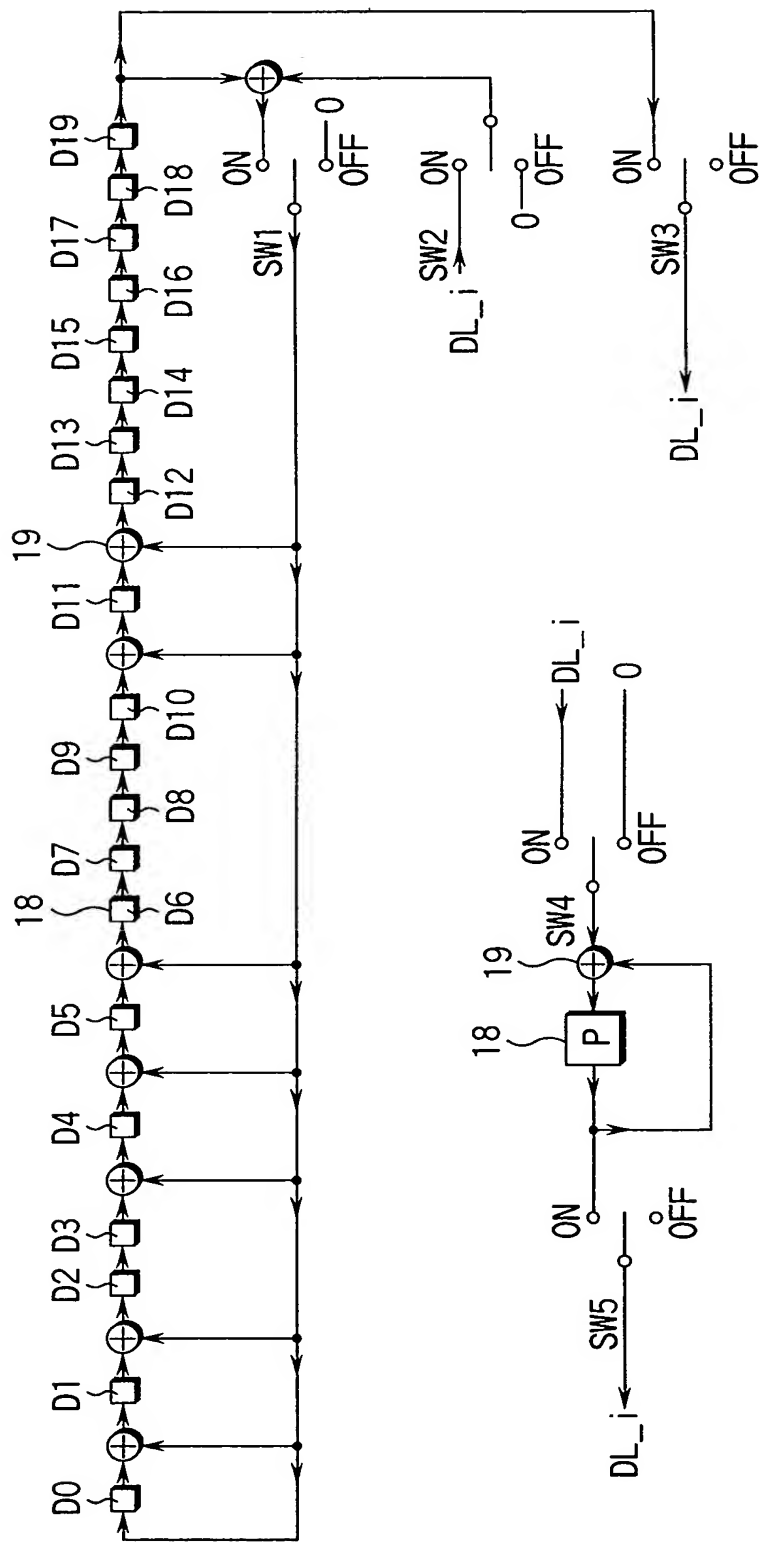
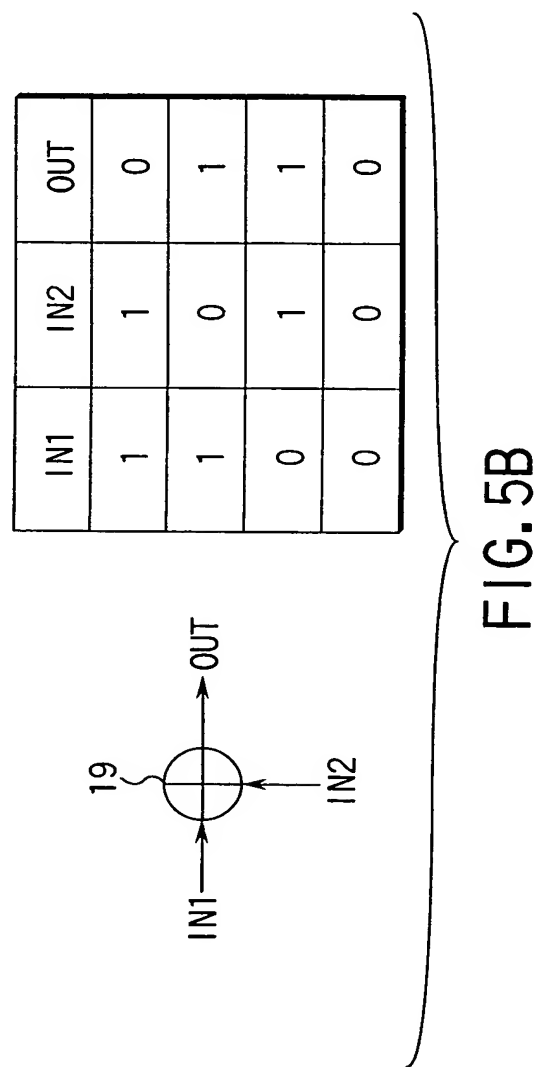
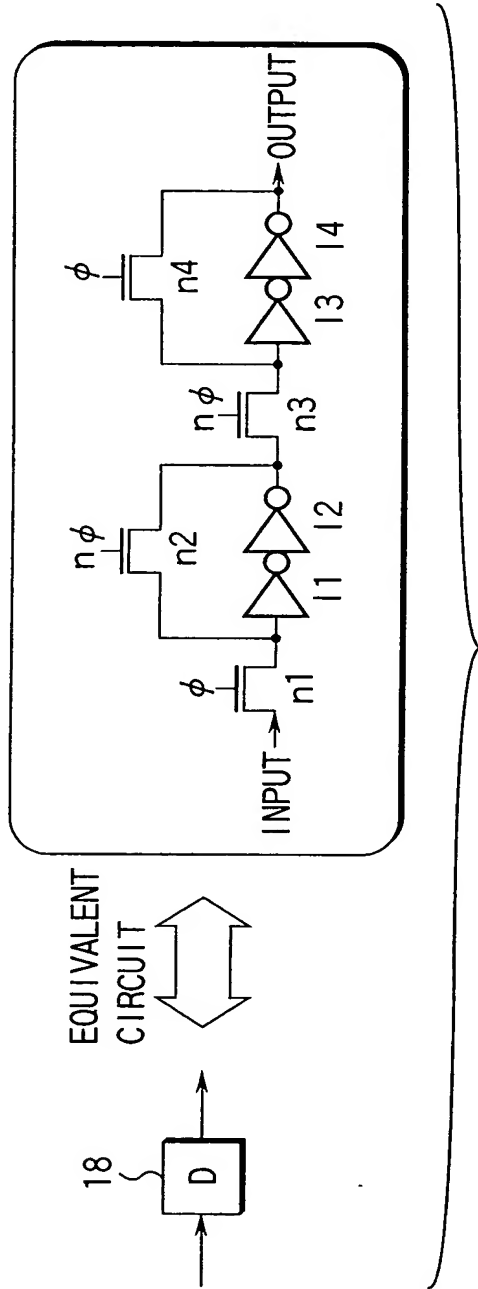


FIG. 4



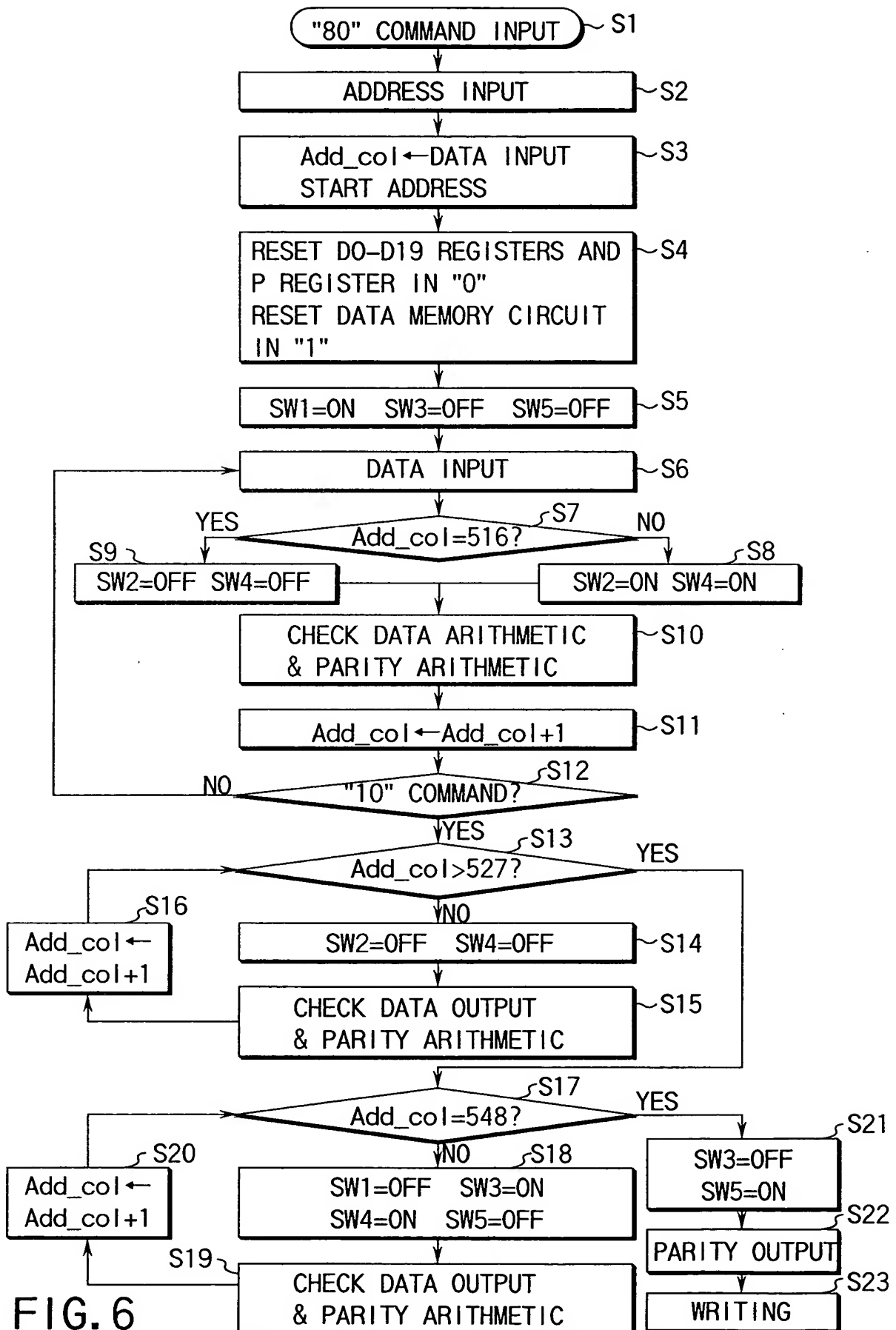


FIG. 6

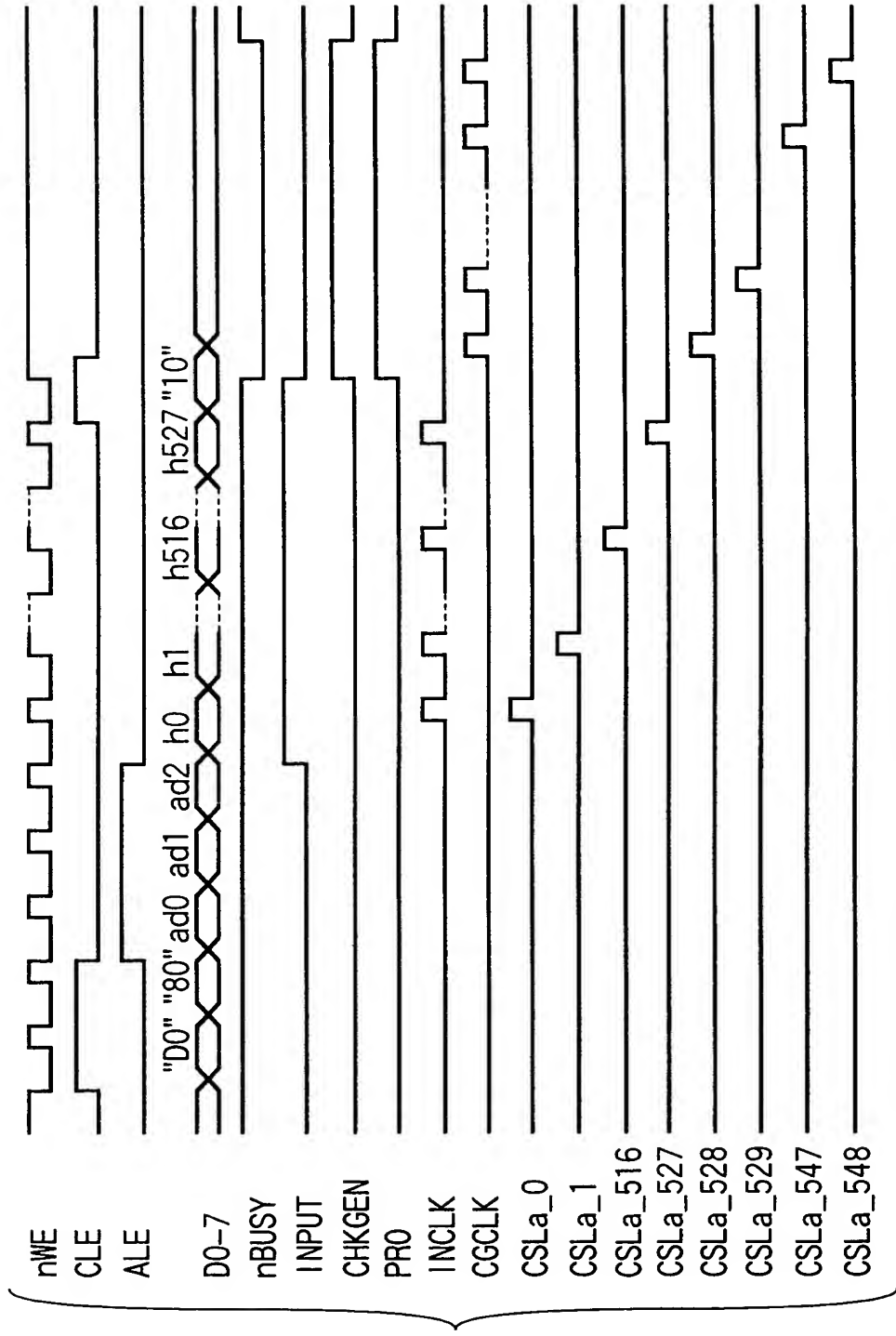


FIG. 7

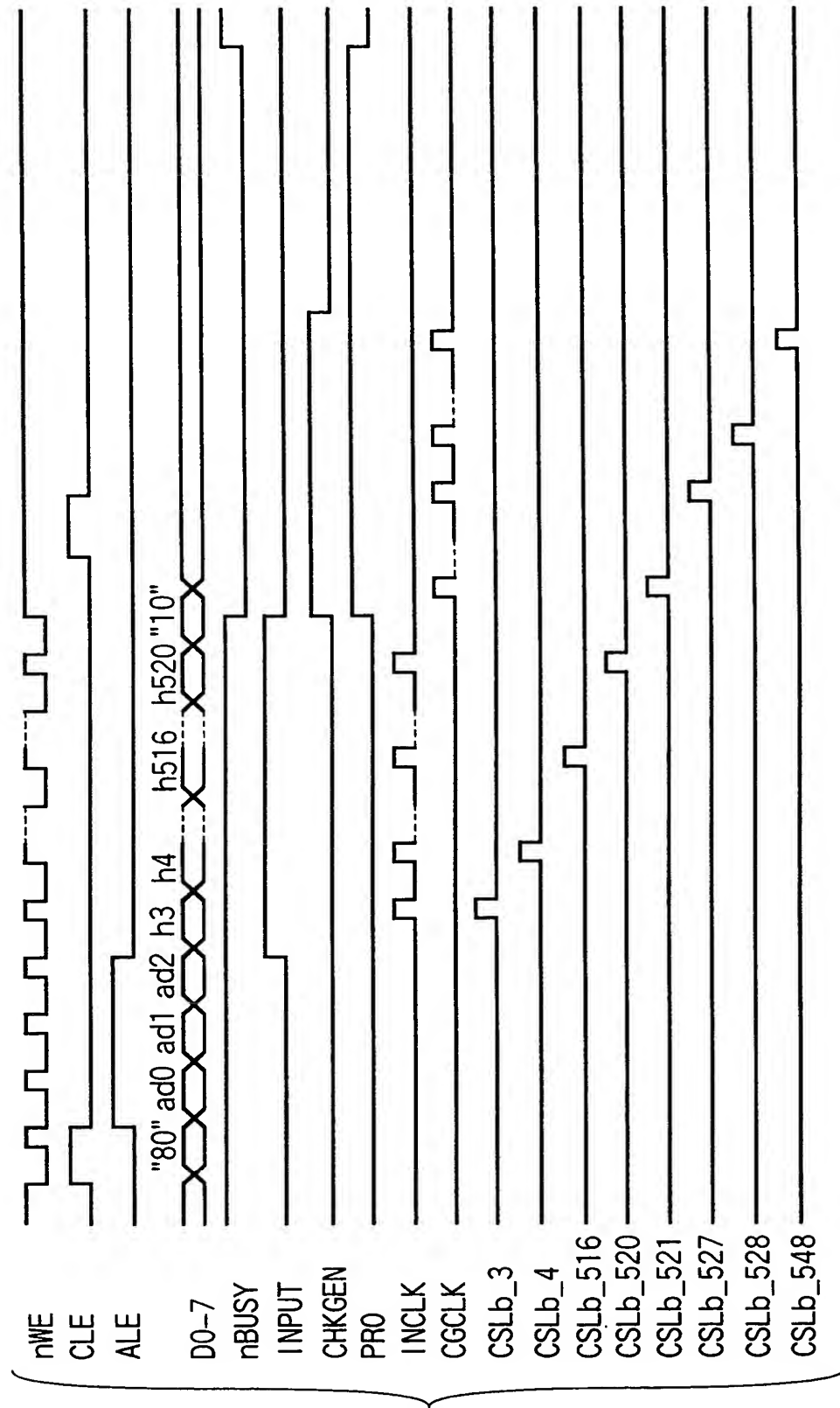


FIG. 8

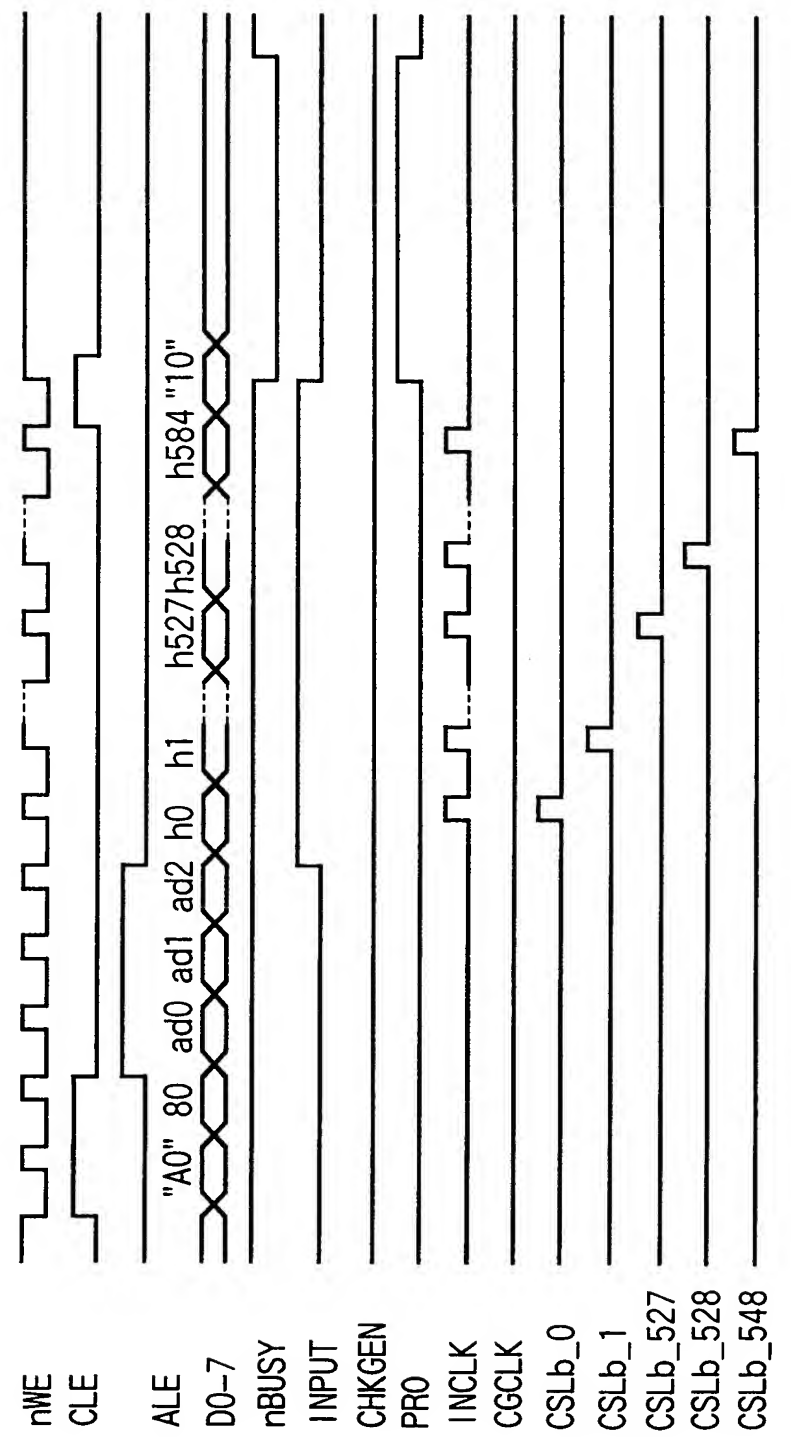
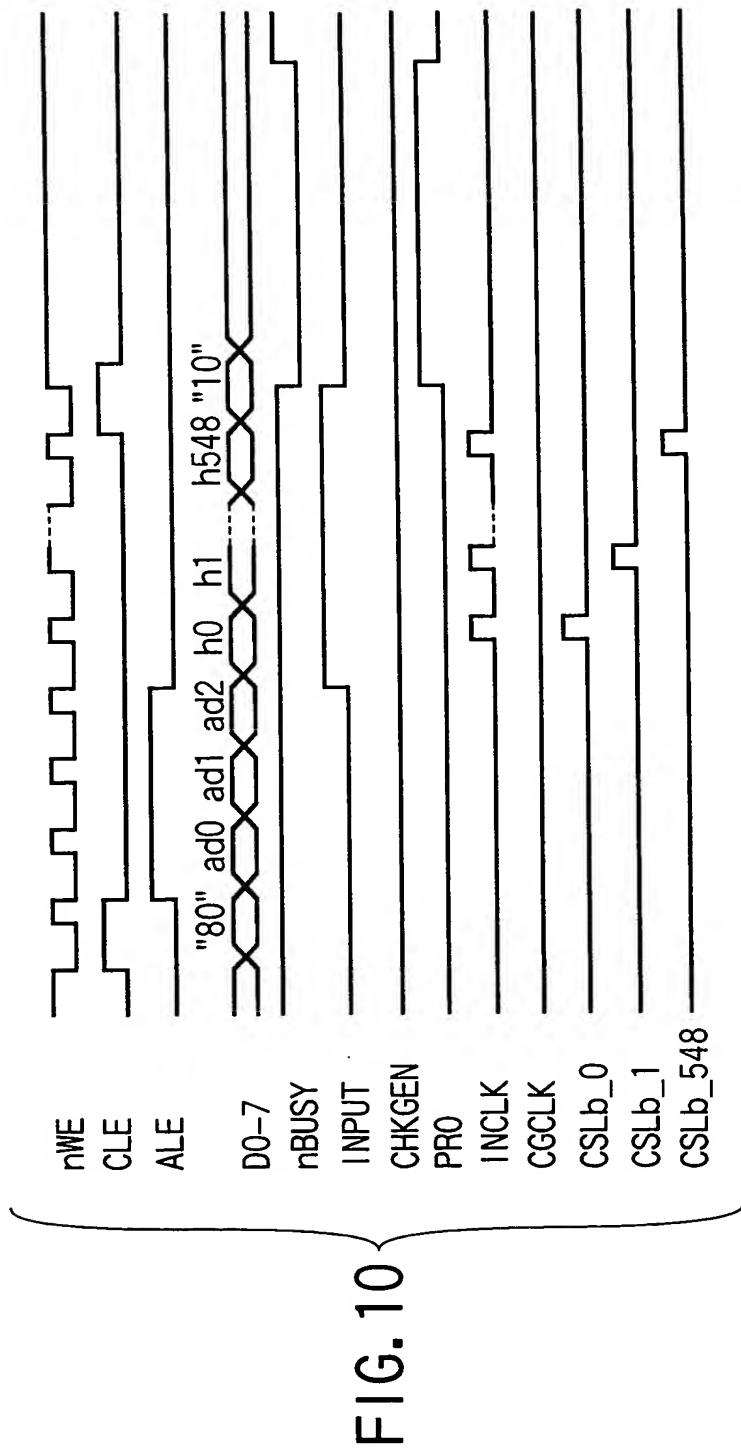
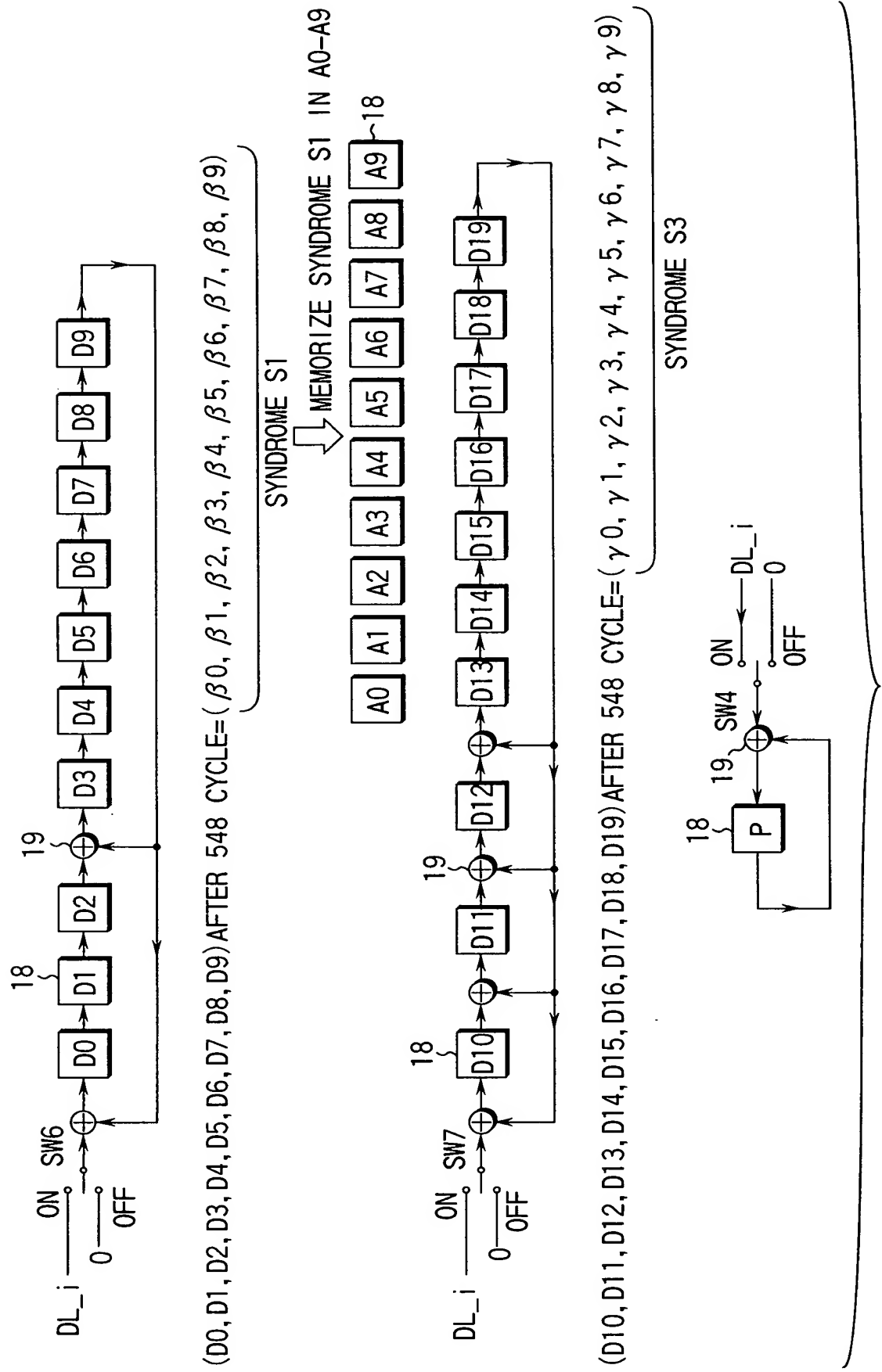
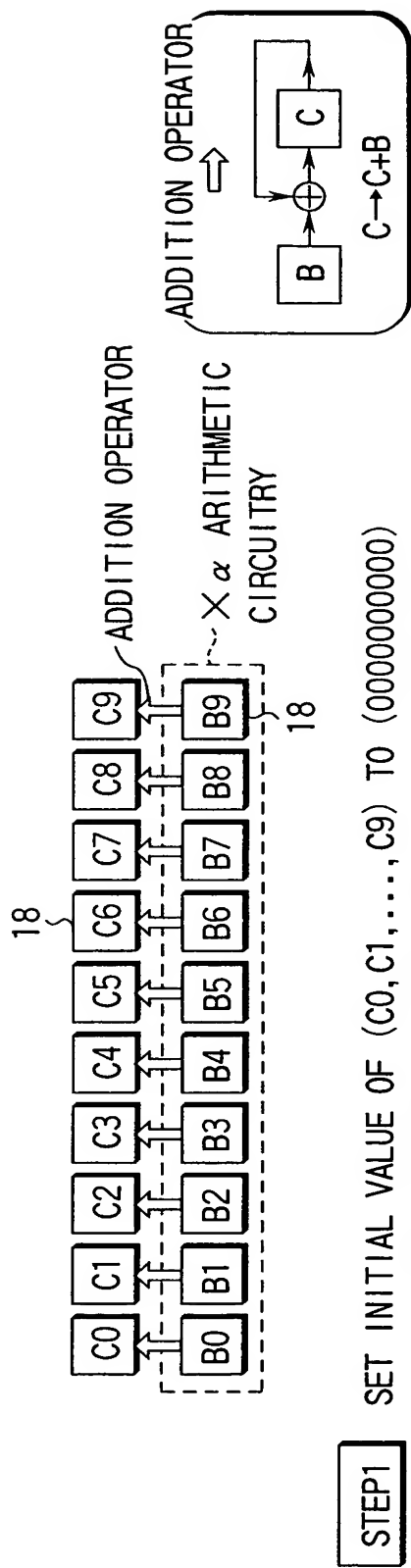


FIG. 9







- STEP1** SET INITIAL VALUE OF (C0,C1,...,C9) TO (0000000000)
- STEP2** $i=0 \sim 9$ INPUT (B0,B1,...,B9)=($\beta_0, \beta_1, \dots, \beta_9$) IS
 TO $\times \alpha$ ARITHMETIC CIRCUITRY AS INITIAL VALUE
 IF $\beta_1=1$, PERFORM i CYCLES AND ADD B0 TO B9 TO C0 TO C9
 END IF ADDITION FROM
 $i=0$ TO $i=9$ IS COMPLETED

- STEP3** (C0,C1,...,C9)=($\sigma_0, \sigma_1, \dots, \sigma_9$)

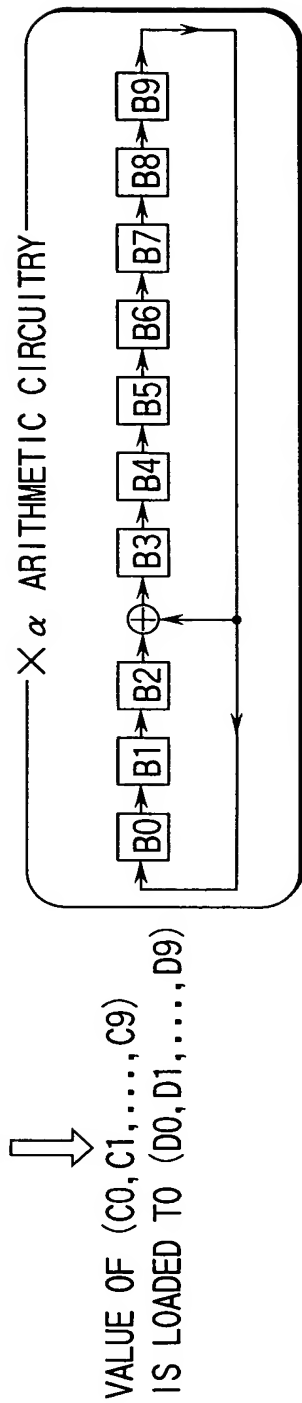


FIG.13

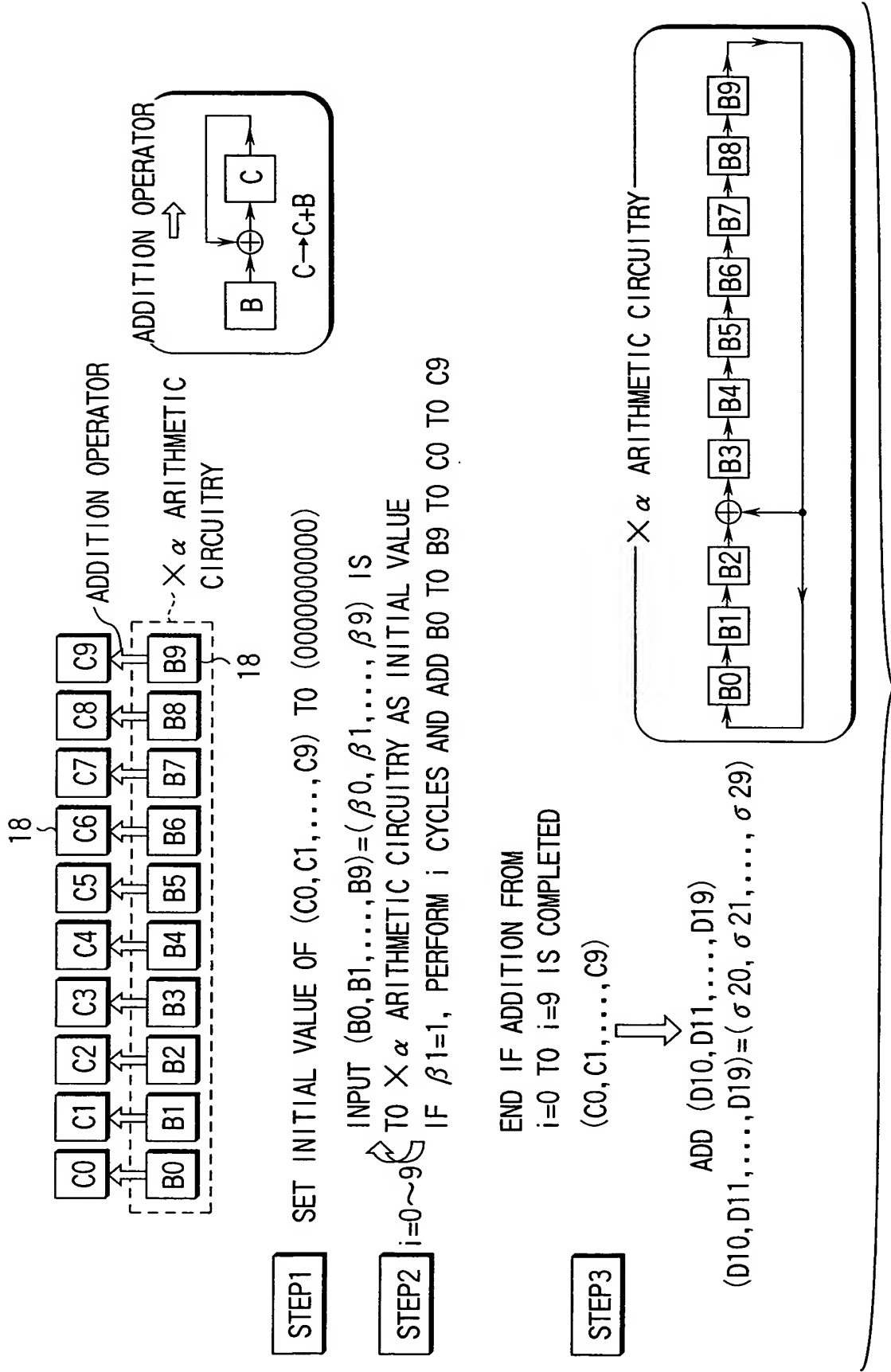
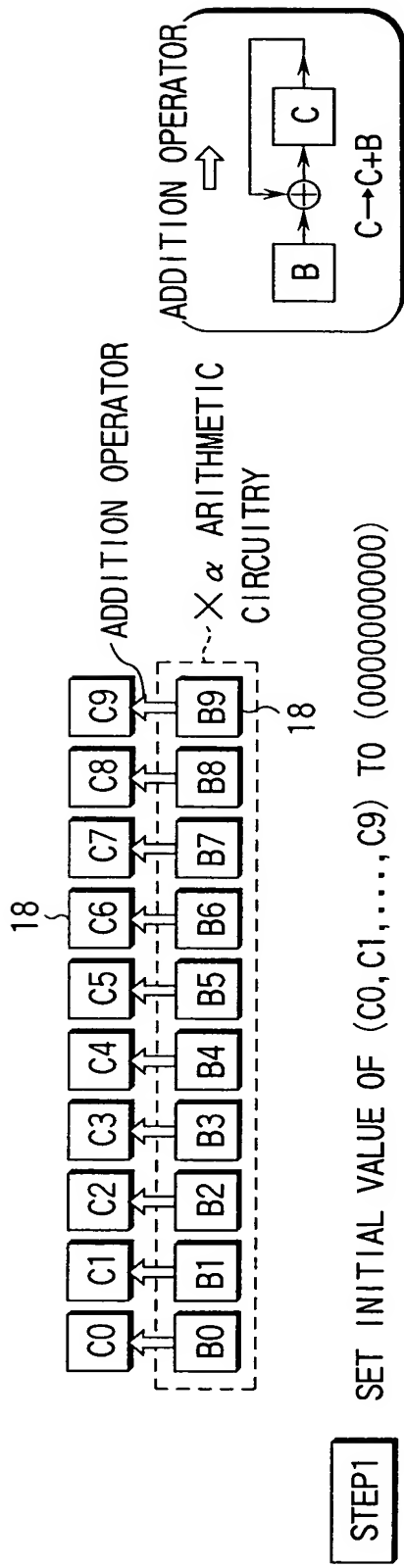


FIG. 14



STEP1 SET INITIAL VALUE OF (C0,C1,...,C9) TO (0000000000)

INPUT (B0,B1,...,B9)=(1010001111) IS

TO X α ARITHMETIC CIRCUITRY AS INITIAL VALUE

STEP2 i=0~9 IF σ 1 i=1, PERFORM i CYCLES AND ADD B0 TO B9 TO C0 TO C9

END IF ADDITION FROM
i=0 TO i=9 IS COMPLETED

STEP3 (C10,C11,...,C19)=(σ 10, σ 11,..., σ 19) X α 457

VALUE OF (C10,C11,...,C19) IS LOADED TO
(D10,D11,...,D19)
(D0,D1,...,D9)=(λ 10, λ 11,..., λ 19)

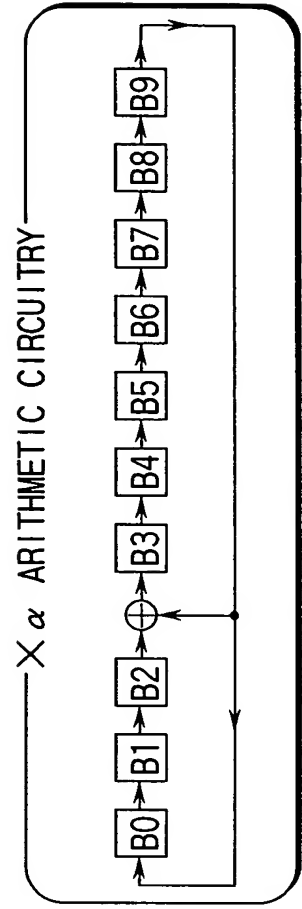


FIG.15

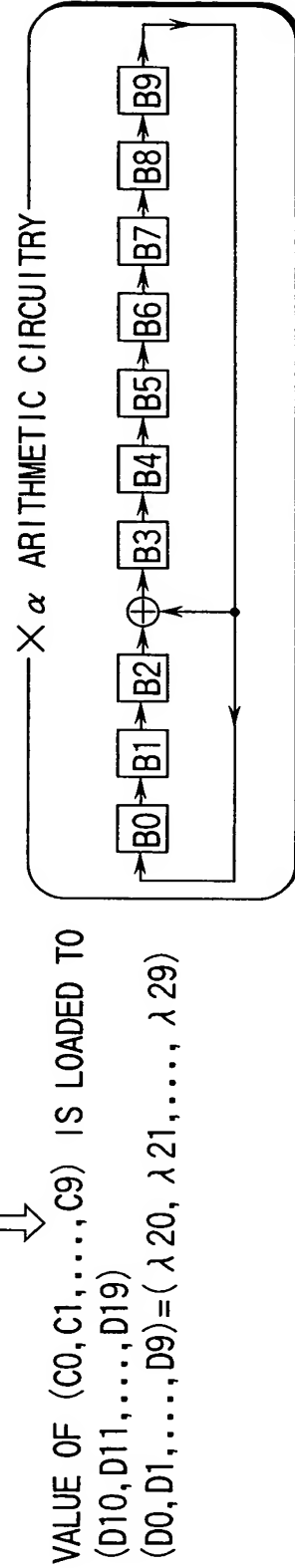
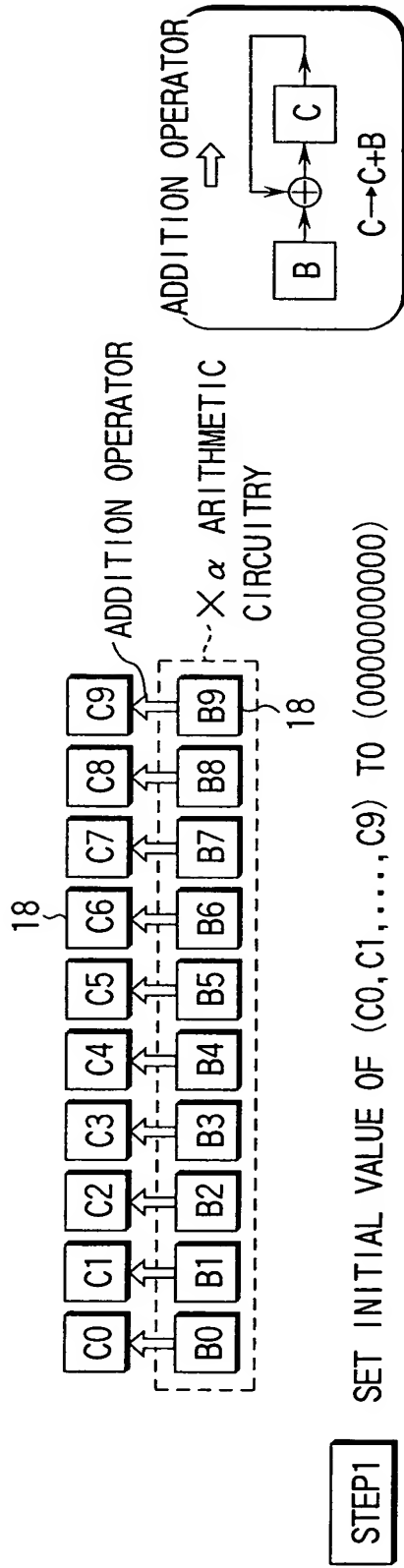


FIG.16

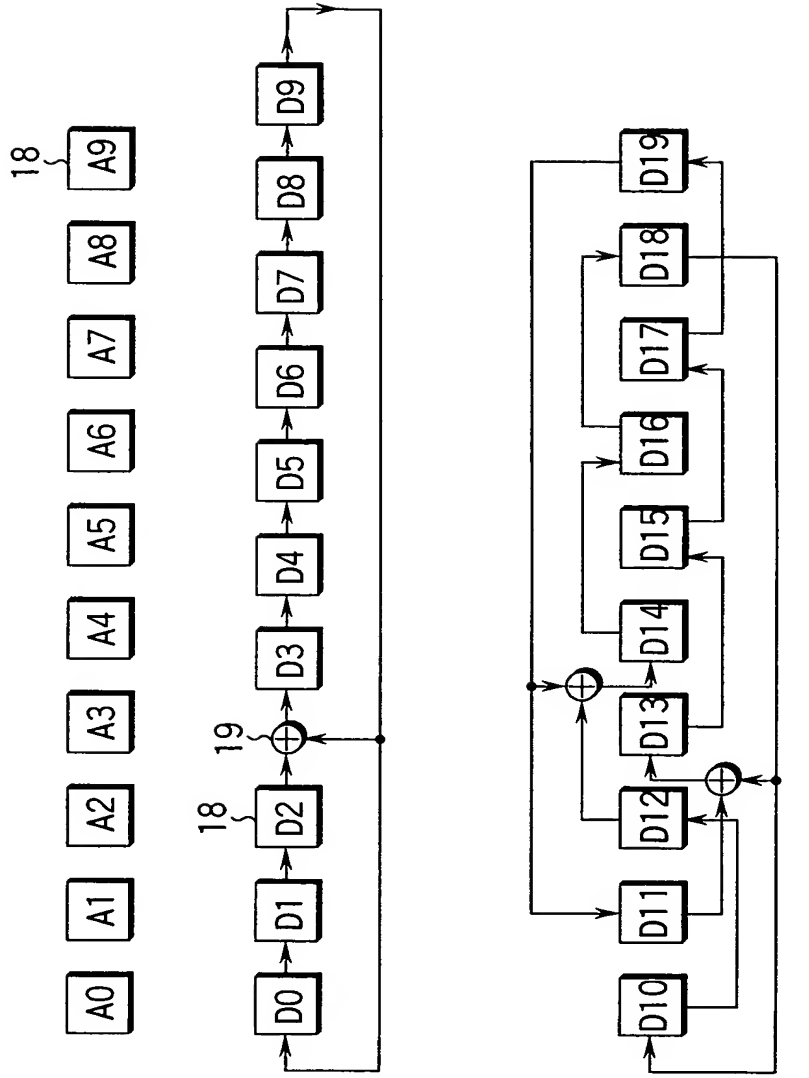


FIG.17

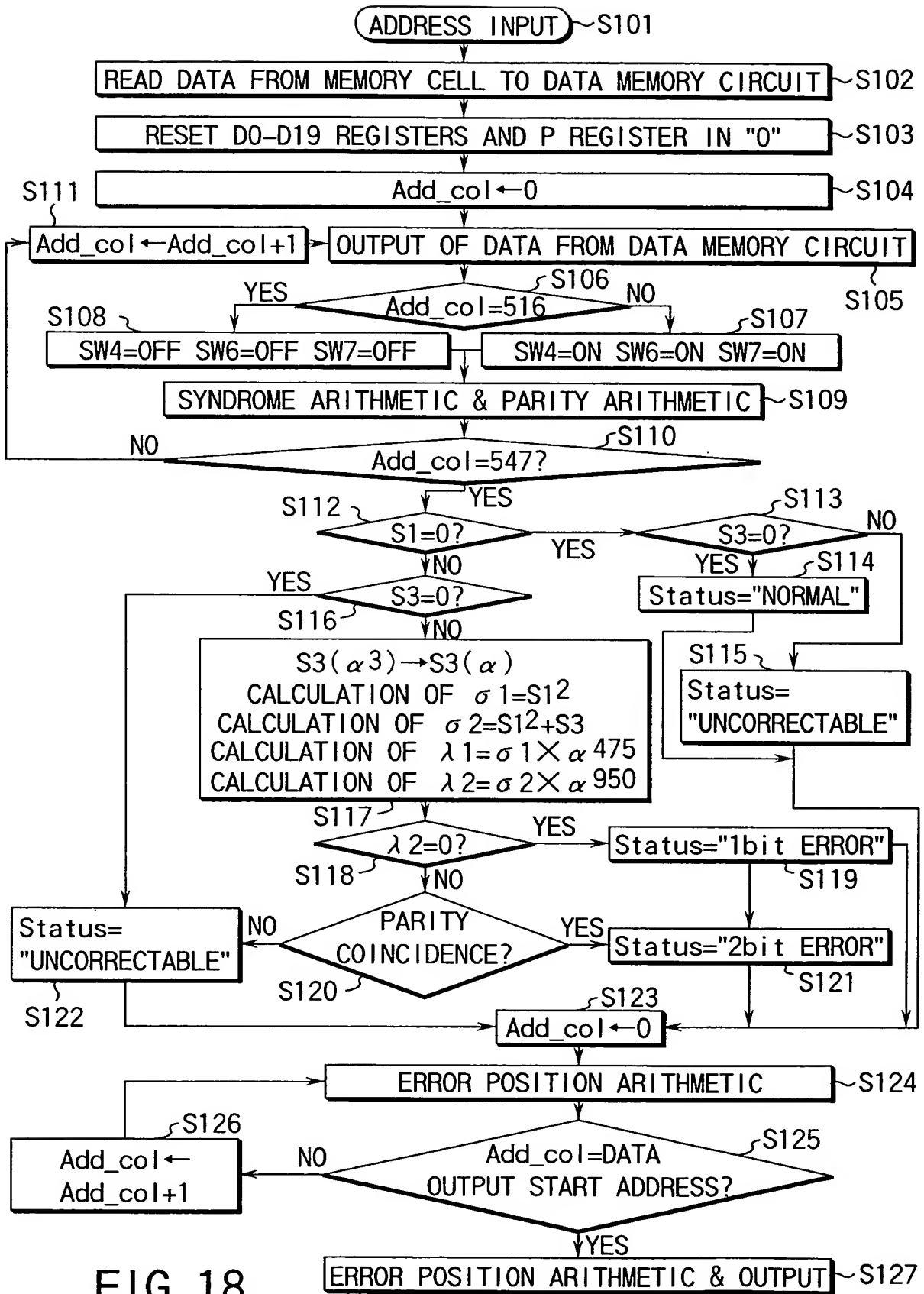


FIG. 18

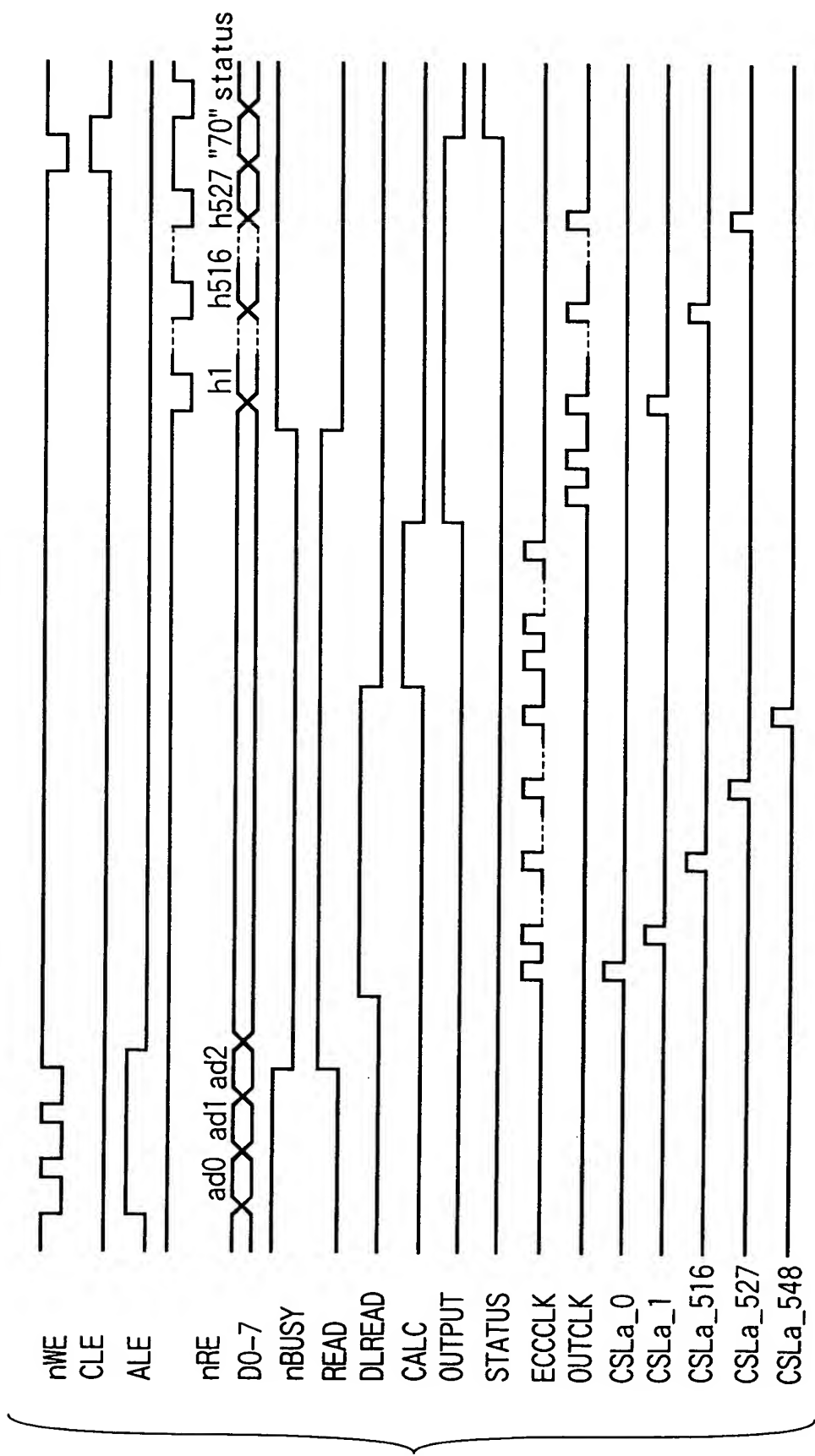


FIG. 19

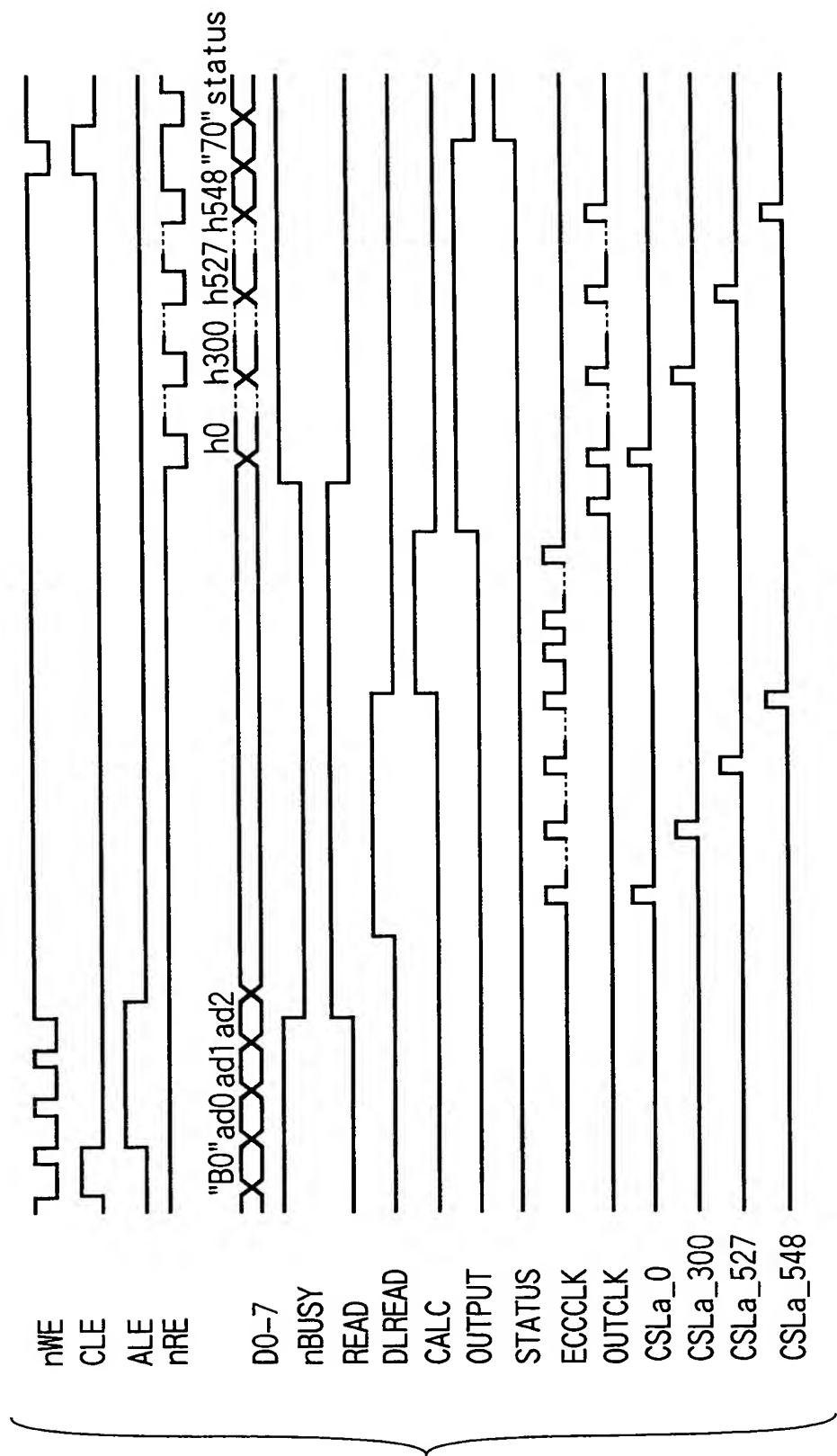


FIG. 20

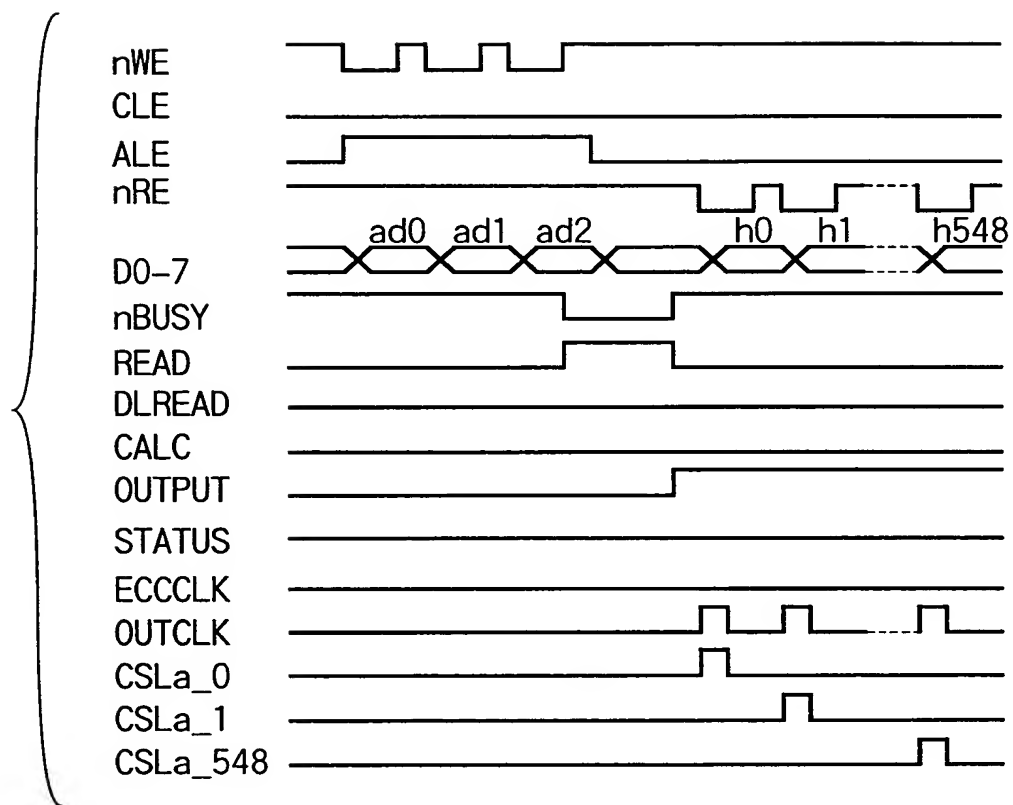


FIG. 21

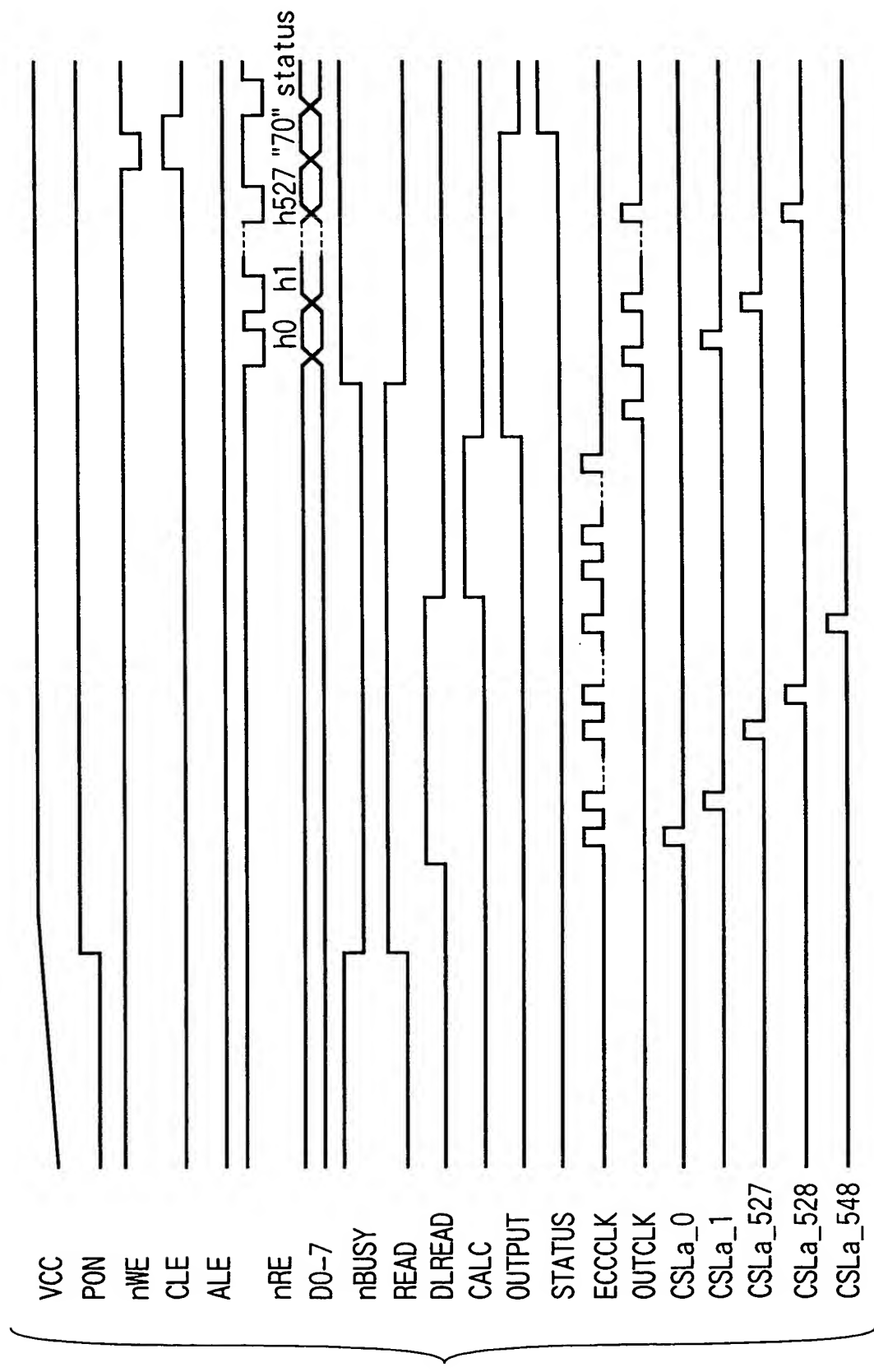
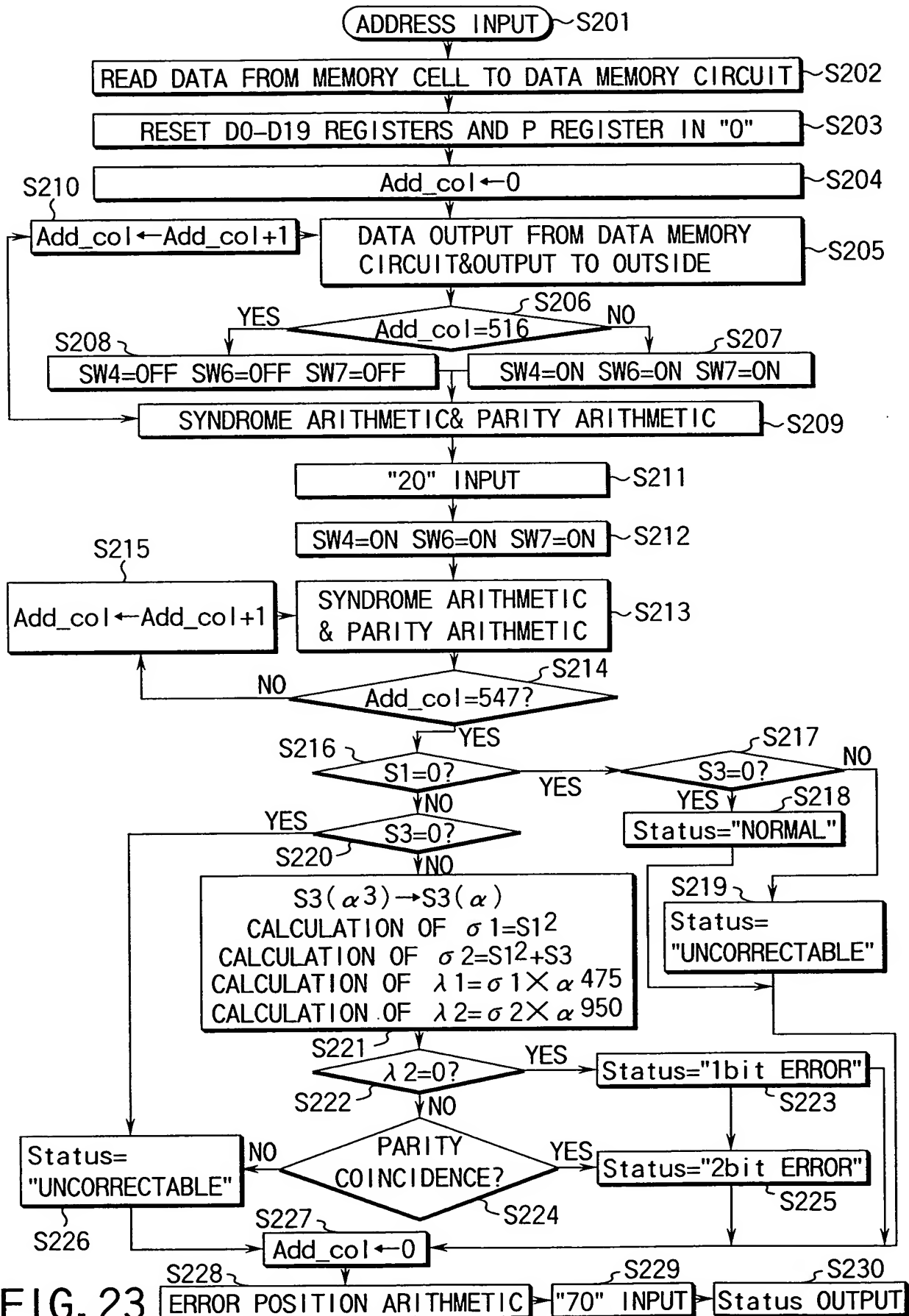


FIG. 22



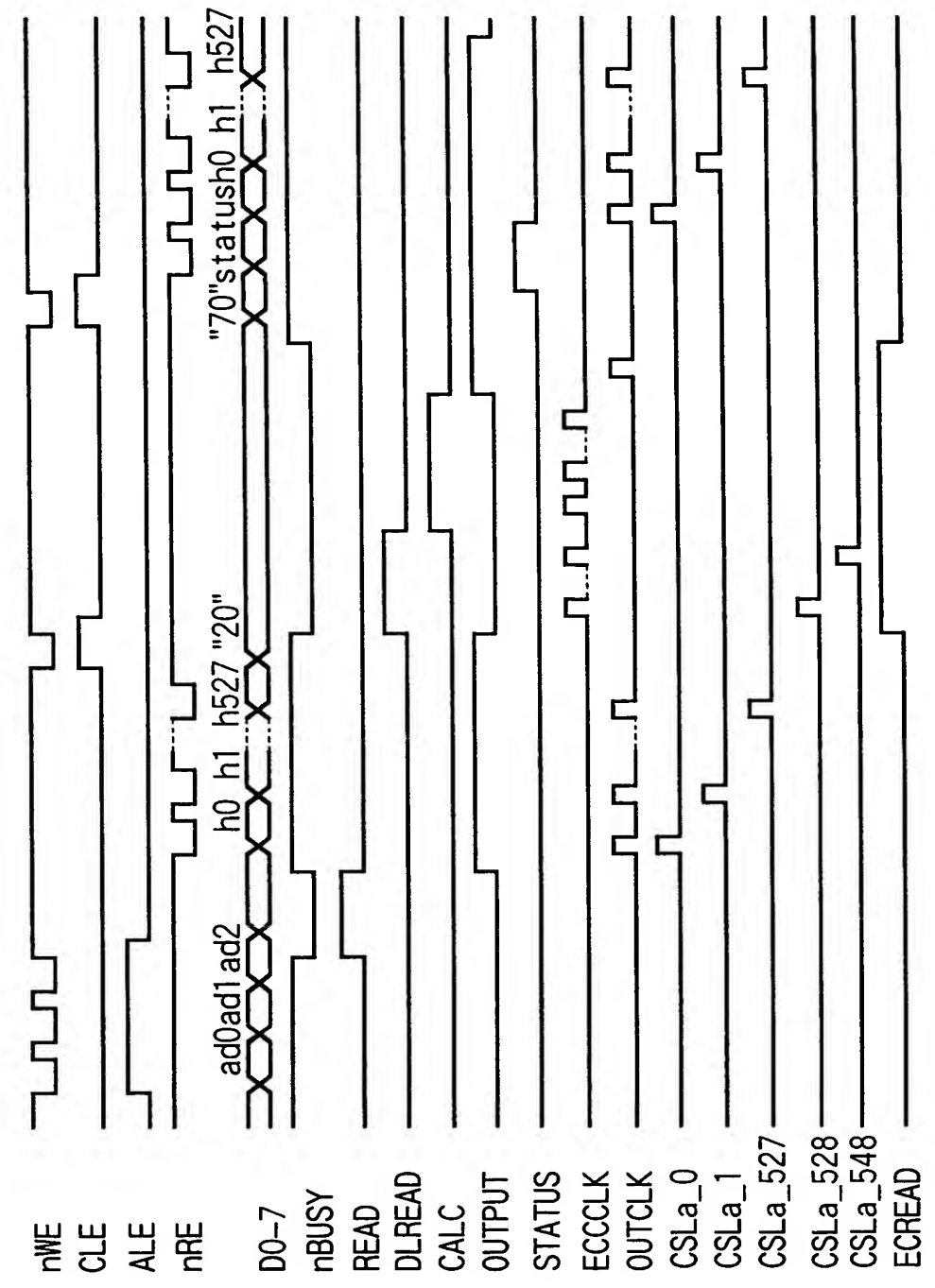


FIG. 24

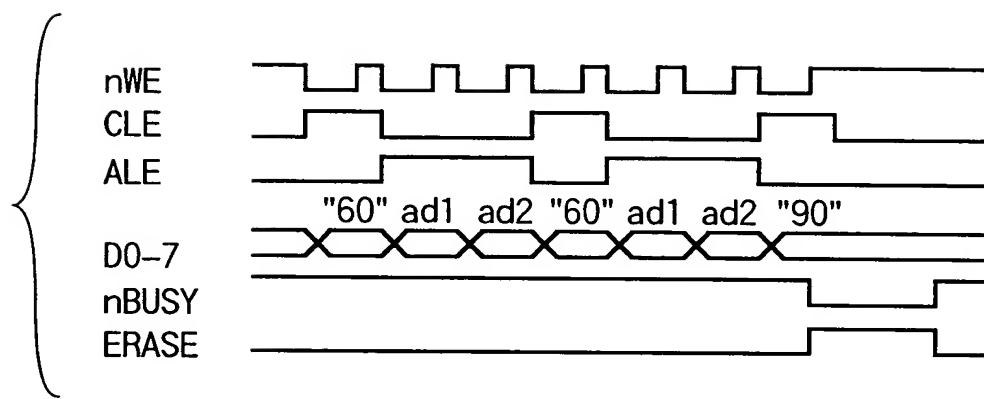


FIG. 25